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16085

U.S. PTO

# UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under  
37 CFR 1.53(b))

|                        |   |
|------------------------|---|
| Attorney Docket No.    | 03-S-053  |
| First Inventor         | Alessandro Venca, et al.  |
| Title                  | WRITE DRIVER WITH POWER<br>OPTIMIZATION AND<br>INTERCONNECT IMPEDANCE<br>MATCHING |
| Express Mail Label No. | EL961394076US   |

19587 U.S. PTO  
10/824096

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## APPLICATION ELEMENTS

Commissioner for Patents  
Box Patent Application  
PO Box 1450  
Alexandria, VA 22313-1450

- ☒ Fee Transmittal Form  
(submit an original and a duplicate for fee processing)
- ☐ Applicant claims small entity status.  
See 37 CFR 1.27
- ☒ Specification [ total pages 24 ]  
(preferred Arrangement set forth below)
  - Descriptive title of the Invention
  - Cross References to Related Applications
  - Statement Regarding Fed sponsored R&D
  - Reference to sequence listing, a table, or a computer program listing appendix
  - Background of the Invention
  - Brief Summary of the Invention
  - Brief Description of the Drawings
  - Detailed Description
  - Claim(s)
  - Abstract of the Disclosure
- ☒ Drawing(s) [ total sheets 8 ]
- ☒ Oath or Declaration [ total sheets 3 ]
  - ☒ Newly executed (original or copy)
  - ☐ Copy from prior appl. (37 C.F.R. § 1.63(d))
    - ☐ DELETION OF INVENTOR(S)  
Signed statement attached deleting inventor(s) named in prior application, see 37 C.F.R. §§ 1.63(d)(2) and 1.33(b).

- ☐ Application Data Sheet. (See 37 CFR 1.76)
- ☐ CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)
- Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)
  - ☐ Computer Readable Form
  - ☐ Specification Sequence Listing on:
    - ☐ CD-ROM or CD-R (2 copies); or
    - ☐ paper
  - ☐ Statements verifying identity of above copies

## ACCOMPANYING APPLICATION PARTS

- ☒ Assignment Papers (coversheet/document(s))
- ☐ 37 CFR. 3.73(b) Statement (when there is an assignee) ☒ Power of Attorney
- ☐ English Translation Document
- ☐ IDS & Form 1449 ☐ Copies of IDS Citations
- ☐ Preliminary Amendment
- ☒ Return Receipt Postcard (MPEP 503)
- ☐ Certified Copy of Priority Document(s)
- ☐ Request and Certification under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.
- ☐ Other:

17. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No.:   /  

Prior application information: Examiner:                      Group/Art Unit:                     

FOR CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

## 17. CORRESPONDENCE ADDRESS

☒ Customer Number or Bar Code Label **30429** or ☐ Correspondence address below

|         |           |     |  |  |  |
|---------|-----------|-----|--|--|--|
| Name    |           |     |  |  |  |
| Address |           |     |  |  |  |
| City    | State     | ZIP |  |  |  |
| Country | Telephone | Fax |  |  |  |

|                   |                    |                  |         |
|-------------------|--------------------|------------------|---------|
| Name (Print/Type) | Kent A. Lembke     | Registration No. | 44,866  |
| (Signature)       | <i>Kent Lembke</i> | Date             | 4/14/04 |

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|   |  |                          |  |
|---|--|--------------------------|--|
| <b>FEE TRANSMITTAL</b><br><b>for FY 2004</b>          |  | <b>Complete if Known</b> |  |
| <b>TOTAL AMOUNT OF PAYMENT (\$)</b> <b>(\$896.00)</b> |  | Application Number       |  |
|   |  | Filing Date              |  |
|   |  | First Named Inventor     |  |
|   |  | Examiner Name            |  |
|   |  | Group / Art Unit         |  |
|   |  | Attorney Docket No.      |  |
|   |  | 03-S-053                 |  |

| <b>METHOD OF PAYMENT (check one)</b>  |                            |  |                   | <b>FEE CALCULATION (continued)</b>   |                            |                 |          |                            |                            |                    |          |          |          |                                     |       |                    |          |  |  |                    |          |                           |   |                            |                            |   |          |                     |          |  |                   |            |            |   |  |          |          |  |  |         |         |   |  |         |         |   |  |                     |         |   |                  |           |           |  |  |         |         |                  |  |         |         |  |  |         |         |                          |  |           |           |   |  |         |        |                                  |  |           |         |                                    |  |           |         |                                |  |         |         |                  |  |         |         |                 |  |         |         |                               |  |        |        |                                     |  |         |         |   |  |        |        |  |       |         |         |   |  |         |         |  |  |         |         |   |  |         |         |   |  |                     |  |  |  |                     |  |  |                  |
|---|----------------------------|--|-------------------|--|----------------------------|-----------------|----------|----------------------------|----------------------------|--------------------|----------|----------|----------|-------------------------------------|-------|--------------------|----------|--|--|--------------------|----------|---------------------------|---|----------------------------|----------------------------|---|----------|---------------------|----------|--|-------------------|------------|------------|---|--|----------|----------|--|--|---------|---------|---|--|---------|---------|---|--|---------------------|---------|---|------------------|-----------|-----------|--|--|---------|---------|------------------|--|---------|---------|--|--|---------|---------|--------------------------|--|-----------|-----------|---|--|---------|--------|----------------------------------|--|-----------|---------|------------------------------------|--|-----------|---------|--------------------------------|--|---------|---------|------------------|--|---------|---------|-----------------|--|---------|---------|-------------------------------|--|--------|--------|-------------------------------------|--|---------|---------|---|--|--------|--------|--|-------|---------|---------|---|--|---------|---------|--|--|---------|---------|---|--|---------|---------|---|--|---------------------|--|--|--|---------------------|--|--|------------------|
| <b>1. <input checked="" type="checkbox"/></b> The Commissioner is hereby authorized to charge indicated fees and credit any over payments to:<br><div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> <b>50-1123</b> </div> <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> <b>Hogan &amp; Hartson L.L.P.</b> </div> <div style="margin-top: 10px;"> <input checked="" type="checkbox"/> Charge Any Additional Fee Required Under 37 CFR § 1.16 and 1.17<br/> <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27         </div>  |                            |  |                   | <b>3. ADDITIONAL FEES</b><br><table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Large Entity Fee Code (\$)</th> <th>Small Entity Fee Code (\$)</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr><td>105 130</td><td>205 65</td><td>Surcharge – late filing fee or oath</td><td></td></tr> <tr><td>127 50</td><td>227 25</td><td>Surcharge – late provisional filing fee or cover sheet</td><td></td></tr> <tr><td>139 130</td><td>139 130</td><td>Non-English specification</td><td></td></tr> <tr><td>147 2,520</td><td>147 2,520</td><td>For filing a request for ex parte reexamination</td><td></td></tr> <tr><td>112 920*</td><td>112 920*</td><td>Requesting publication of SIR prior to Examiner action</td><td></td></tr> <tr><td>113 1,840*</td><td>113 1,840*</td><td>Requesting publication of SIR after Examiner action</td><td></td></tr> <tr><td>115 110</td><td>215 55</td><td>Extension for reply within first month</td><td></td></tr> <tr><td>116 420</td><td>216 210</td><td>Extension for reply within second month</td><td></td></tr> <tr><td>117 950</td><td>217 475</td><td>Extension for reply within third month</td><td></td></tr> <tr><td>118 1,480</td><td>218 740</td><td>Extension for reply within fourth month</td><td></td></tr> <tr><td>128 2,010</td><td>228 1,005</td><td>Extension for reply within fifth month</td><td></td></tr> <tr><td>119 330</td><td>219 165</td><td>Notice of Appeal</td><td></td></tr> <tr><td>120 330</td><td>220 165</td><td>Filing a brief in support of an appeal</td><td></td></tr> <tr><td>121 290</td><td>221 145</td><td>Request for oral hearing</td><td></td></tr> <tr><td>138 1,510</td><td>138 1,510</td><td>Petition to institute a public use proceeding</td><td></td></tr> <tr><td>140 110</td><td>240 55</td><td>Petition to revive – unavoidable</td><td></td></tr> <tr><td>141 1,330</td><td>241 665</td><td>Petition to revive – unintentional</td><td></td></tr> <tr><td>142 1,330</td><td>242 665</td><td>Utility issue fee (or reissue)</td><td></td></tr> <tr><td>143 480</td><td>243 240</td><td>Design issue fee</td><td></td></tr> <tr><td>144 640</td><td>244 320</td><td>Plant issue fee</td><td></td></tr> <tr><td>122 130</td><td>122 130</td><td>Petitions to the Commissioner</td><td></td></tr> <tr><td>123 50</td><td>123 50</td><td>Processing fee under 37 CFR 1.17(q)</td><td></td></tr> <tr><td>126 180</td><td>126 180</td><td>Submission of Information Disclosure Stmt</td><td></td></tr> <tr><td>581 40</td><td>581 40</td><td>Recording each patent assignment per property (times number of properties)</td><td>40.00</td></tr> <tr><td>146 770</td><td>246 385</td><td>Filing a submission after final rejection (37 CFR § 1.129(a))</td><td></td></tr> <tr><td>149 770</td><td>249 385</td><td>For each additional invention to be examined (37 CFR § 1.129(b))</td><td></td></tr> <tr><td>179 770</td><td>279 385</td><td>Request for Continued Examination (RCE)</td><td></td></tr> <tr><td>169 900</td><td>169 900</td><td>Request for expedited examination of a design application</td><td></td></tr> <tr><td colspan="3">Other fee (specify)</td><td></td></tr> <tr> <td colspan="3" style="text-align: right;"><b>Subtotal (3)</b></td> <td><b>(\$40.00)</b></td> </tr> </tbody> </table> |                            |                 |          | Large Entity Fee Code (\$) | Small Entity Fee Code (\$) | Fee Description    | Fee Paid | 105 130  | 205 65   | Surcharge – late filing fee or oath |       | 127 50             | 227 25   | Surcharge – late provisional filing fee or cover sheet |  | 139 130            | 139 130  | Non-English specification |   | 147 2,520                  | 147 2,520                  | For filing a request for ex parte reexamination |          | 112 920*            | 112 920* | Requesting publication of SIR prior to Examiner action |                   | 113 1,840* | 113 1,840* | Requesting publication of SIR after Examiner action |  | 115 110  | 215 55   | Extension for reply within first month |  | 116 420 | 216 210 | Extension for reply within second month           |  | 117 950 | 217 475 | Extension for reply within third month                    |  | 118 1,480           | 218 740 | Extension for reply within fourth month |                  | 128 2,010 | 228 1,005 | Extension for reply within fifth month |  | 119 330 | 219 165 | Notice of Appeal |  | 120 330 | 220 165 | Filing a brief in support of an appeal |  | 121 290 | 221 145 | Request for oral hearing |  | 138 1,510 | 138 1,510 | Petition to institute a public use proceeding |  | 140 110 | 240 55 | Petition to revive – unavoidable |  | 141 1,330 | 241 665 | Petition to revive – unintentional |  | 142 1,330 | 242 665 | Utility issue fee (or reissue) |  | 143 480 | 243 240 | Design issue fee |  | 144 640 | 244 320 | Plant issue fee |  | 122 130 | 122 130 | Petitions to the Commissioner |  | 123 50 | 123 50 | Processing fee under 37 CFR 1.17(q) |  | 126 180 | 126 180 | Submission of Information Disclosure Stmt |  | 581 40 | 581 40 | Recording each patent assignment per property (times number of properties) | 40.00 | 146 770 | 246 385 | Filing a submission after final rejection (37 CFR § 1.129(a)) |  | 149 770 | 249 385 | For each additional invention to be examined (37 CFR § 1.129(b)) |  | 179 770 | 279 385 | Request for Continued Examination (RCE) |  | 169 900 | 169 900 | Request for expedited examination of a design application |  | Other fee (specify) |  |  |  | <b>Subtotal (3)</b> |  |  | <b>(\$40.00)</b> |
| Large Entity Fee Code (\$)  | Small Entity Fee Code (\$) | Fee Description  | Fee Paid          |  |                            |                 |          |                            |                            |                    |          |          |          |                                     |       |                    |          |  |  |                    |          |                           |   |                            |                            |   |          |                     |          |  |                   |            |            |   |  |          |          |  |  |         |         |   |  |         |         |   |  |                     |         |   |                  |           |           |  |  |         |         |                  |  |         |         |  |  |         |         |                          |  |           |           |   |  |         |        |                                  |  |           |         |                                    |  |           |         |                                |  |         |         |                  |  |         |         |                 |  |         |         |                               |  |        |        |                                     |  |         |         |   |  |        |        |  |       |         |         |   |  |         |         |  |  |         |         |   |  |         |         |   |  |                     |  |  |  |                     |  |  |                  |
| 105 130   | 205 65                     | Surcharge – late filing fee or oath  |                   |  |                            |                 |          |                            |                            |                    |          |          |          |                                     |       |                    |          |  |  |                    |          |                           |   |                            |                            |   |          |                     |          |  |                   |            |            |   |  |          |          |  |  |         |         |   |  |         |         |   |  |                     |         |   |                  |           |           |  |  |         |         |                  |  |         |         |  |  |         |         |                          |  |           |           |   |  |         |        |                                  |  |           |         |                                    |  |           |         |                                |  |         |         |                  |  |         |         |                 |  |         |         |                               |  |        |        |                                     |  |         |         |   |  |        |        |  |       |         |         |   |  |         |         |  |  |         |         |   |  |         |         |   |  |                     |  |  |  |                     |  |  |                  |
| 127 50  | 227 25                     | Surcharge – late provisional filing fee or cover sheet                     |                   |  |                            |                 |          |                            |                            |                    |          |          |          |                                     |       |                    |          |  |  |                    |          |                           |   |                            |                            |   |          |                     |          |  |                   |            |            |   |  |          |          |  |  |         |         |   |  |         |         |   |  |                     |         |   |                  |           |           |  |  |         |         |                  |  |         |         |  |  |         |         |                          |  |           |           |   |  |         |        |                                  |  |           |         |                                    |  |           |         |                                |  |         |         |                  |  |         |         |                 |  |         |         |                               |  |        |        |                                     |  |         |         |   |  |        |        |  |       |         |         |   |  |         |         |  |  |         |         |   |  |         |         |   |  |                     |  |  |  |                     |  |  |                  |
| 139 130   | 139 130                    | Non-English specification  |                   |  |                            |                 |          |                            |                            |                    |          |          |          |                                     |       |                    |          |  |  |                    |          |                           |   |                            |                            |   |          |                     |          |  |                   |            |            |   |  |          |          |  |  |         |         |   |  |         |         |   |  |                     |         |   |                  |           |           |  |  |         |         |                  |  |         |         |  |  |         |         |                          |  |           |           |   |  |         |        |                                  |  |           |         |                                    |  |           |         |                                |  |         |         |                  |  |         |         |                 |  |         |         |                               |  |        |        |                                     |  |         |         |   |  |        |        |  |       |         |         |   |  |         |         |  |  |         |         |   |  |         |         |   |  |                     |  |  |  |                     |  |  |                  |
| 147 2,520   | 147 2,520                  | For filing a request for ex parte reexamination                            |                   |  |                            |                 |          |                            |                            |                    |          |          |          |                                     |       |                    |          |  |  |                    |          |                           |   |                            |                            |   |          |                     |          |  |                   |            |            |   |  |          |          |  |  |         |         |   |  |         |         |   |  |                     |         |   |                  |           |           |  |  |         |         |                  |  |         |         |  |  |         |         |                          |  |           |           |   |  |         |        |                                  |  |           |         |                                    |  |           |         |                                |  |         |         |                  |  |         |         |                 |  |         |         |                               |  |        |        |                                     |  |         |         |   |  |        |        |  |       |         |         |   |  |         |         |  |  |         |         |   |  |         |         |   |  |                     |  |  |  |                     |  |  |                  |
| 112 920*  | 112 920*                   | Requesting publication of SIR prior to Examiner action                     |                   |  |                            |                 |          |                            |                            |                    |          |          |          |                                     |       |                    |          |  |  |                    |          |                           |   |                            |                            |   |          |                     |          |  |                   |            |            |   |  |          |          |  |  |         |         |   |  |         |         |   |  |                     |         |   |                  |           |           |  |  |         |         |                  |  |         |         |  |  |         |         |                          |  |           |           |   |  |         |        |                                  |  |           |         |                                    |  |           |         |                                |  |         |         |                  |  |         |         |                 |  |         |         |                               |  |        |        |                                     |  |         |         |   |  |        |        |  |       |         |         |   |  |         |         |  |  |         |         |   |  |         |         |   |  |                     |  |  |  |                     |  |  |                  |
| 113 1,840*  | 113 1,840*                 | Requesting publication of SIR after Examiner action                        |                   |  |                            |                 |          |                            |                            |                    |          |          |          |                                     |       |                    |          |  |  |                    |          |                           |   |                            |                            |   |          |                     |          |  |                   |            |            |   |  |          |          |  |  |         |         |   |  |         |         |   |  |                     |         |   |                  |           |           |  |  |         |         |                  |  |         |         |  |  |         |         |                          |  |           |           |   |  |         |        |                                  |  |           |         |                                    |  |           |         |                                |  |         |         |                  |  |         |         |                 |  |         |         |                               |  |        |        |                                     |  |         |         |   |  |        |        |  |       |         |         |   |  |         |         |  |  |         |         |   |  |         |         |   |  |                     |  |  |  |                     |  |  |                  |
| 115 110   | 215 55                     | Extension for reply within first month                                     |                   |  |                            |                 |          |                            |                            |                    |          |          |          |                                     |       |                    |          |  |  |                    |          |                           |   |                            |                            |   |          |                     |          |  |                   |            |            |   |  |          |          |  |  |         |         |   |  |         |         |   |  |                     |         |   |                  |           |           |  |  |         |         |                  |  |         |         |  |  |         |         |                          |  |           |           |   |  |         |        |                                  |  |           |         |                                    |  |           |         |                                |  |         |         |                  |  |         |         |                 |  |         |         |                               |  |        |        |                                     |  |         |         |   |  |        |        |  |       |         |         |   |  |         |         |  |  |         |         |   |  |         |         |   |  |                     |  |  |  |                     |  |  |                  |
| 116 420   | 216 210                    | Extension for reply within second month                                    |                   |  |                            |                 |          |                            |                            |                    |          |          |          |                                     |       |                    |          |  |  |                    |          |                           |   |                            |                            |   |          |                     |          |  |                   |            |            |   |  |          |          |  |  |         |         |   |  |         |         |   |  |                     |         |   |                  |           |           |  |  |         |         |                  |  |         |         |  |  |         |         |                          |  |           |           |   |  |         |        |                                  |  |           |         |                                    |  |           |         |                                |  |         |         |                  |  |         |         |                 |  |         |         |                               |  |        |        |                                     |  |         |         |   |  |        |        |  |       |         |         |   |  |         |         |  |  |         |         |   |  |         |         |   |  |                     |  |  |  |                     |  |  |                  |
| 117 950   | 217 475                    | Extension for reply within third month                                     |                   |  |                            |                 |          |                            |                            |                    |          |          |          |                                     |       |                    |          |  |  |                    |          |                           |   |                            |                            |   |          |                     |          |  |                   |            |            |   |  |          |          |  |  |         |         |   |  |         |         |   |  |                     |         |   |                  |           |           |  |  |         |         |                  |  |         |         |  |  |         |         |                          |  |           |           |   |  |         |        |                                  |  |           |         |                                    |  |           |         |                                |  |         |         |                  |  |         |         |                 |  |         |         |                               |  |        |        |                                     |  |         |         |   |  |        |        |  |       |         |         |   |  |         |         |  |  |         |         |   |  |         |         |   |  |                     |  |  |  |                     |  |  |                  |
| 118 1,480   | 218 740                    | Extension for reply within fourth month                                    |                   |  |                            |                 |          |                            |                            |                    |          |          |          |                                     |       |                    |          |  |  |                    |          |                           |   |                            |                            |   |          |                     |          |  |                   |            |            |   |  |          |          |  |  |         |         |   |  |         |         |   |  |                     |         |   |                  |           |           |  |  |         |         |                  |  |         |         |  |  |         |         |                          |  |           |           |   |  |         |        |                                  |  |           |         |                                    |  |           |         |                                |  |         |         |                  |  |         |         |                 |  |         |         |                               |  |        |        |                                     |  |         |         |   |  |        |        |  |       |         |         |   |  |         |         |  |  |         |         |   |  |         |         |   |  |                     |  |  |  |                     |  |  |                  |
| 128 2,010   | 228 1,005                  | Extension for reply within fifth month                                     |                   |  |                            |                 |          |                            |                            |                    |          |          |          |                                     |       |                    |          |  |  |                    |          |                           |   |                            |                            |   |          |                     |          |  |                   |            |            |   |  |          |          |  |  |         |         |   |  |         |         |   |  |                     |         |   |                  |           |           |  |  |         |         |                  |  |         |         |  |  |         |         |                          |  |           |           |   |  |         |        |                                  |  |           |         |                                    |  |           |         |                                |  |         |         |                  |  |         |         |                 |  |         |         |                               |  |        |        |                                     |  |         |         |   |  |        |        |  |       |         |         |   |  |         |         |  |  |         |         |   |  |         |         |   |  |                     |  |  |  |                     |  |  |                  |
| 119 330   | 219 165                    | Notice of Appeal   |                   |  |                            |                 |          |                            |                            |                    |          |          |          |                                     |       |                    |          |  |  |                    |          |                           |   |                            |                            |   |          |                     |          |  |                   |            |            |   |  |          |          |  |  |         |         |   |  |         |         |   |  |                     |         |   |                  |           |           |  |  |         |         |                  |  |         |         |  |  |         |         |                          |  |           |           |   |  |         |        |                                  |  |           |         |                                    |  |           |         |                                |  |         |         |                  |  |         |         |                 |  |         |         |                               |  |        |        |                                     |  |         |         |   |  |        |        |  |       |         |         |   |  |         |         |  |  |         |         |   |  |         |         |   |  |                     |  |  |  |                     |  |  |                  |
| 120 330   | 220 165                    | Filing a brief in support of an appeal                                     |                   |  |                            |                 |          |                            |                            |                    |          |          |          |                                     |       |                    |          |  |  |                    |          |                           |   |                            |                            |   |          |                     |          |  |                   |            |            |   |  |          |          |  |  |         |         |   |  |         |         |   |  |                     |         |   |                  |           |           |  |  |         |         |                  |  |         |         |  |  |         |         |                          |  |           |           |   |  |         |        |                                  |  |           |         |                                    |  |           |         |                                |  |         |         |                  |  |         |         |                 |  |         |         |                               |  |        |        |                                     |  |         |         |   |  |        |        |  |       |         |         |   |  |         |         |  |  |         |         |   |  |         |         |   |  |                     |  |  |  |                     |  |  |                  |
| 121 290   | 221 145                    | Request for oral hearing   |                   |  |                            |                 |          |                            |                            |                    |          |          |          |                                     |       |                    |          |  |  |                    |          |                           |   |                            |                            |   |          |                     |          |  |                   |            |            |   |  |          |          |  |  |         |         |   |  |         |         |   |  |                     |         |   |                  |           |           |  |  |         |         |                  |  |         |         |  |  |         |         |                          |  |           |           |   |  |         |        |                                  |  |           |         |                                    |  |           |         |                                |  |         |         |                  |  |         |         |                 |  |         |         |                               |  |        |        |                                     |  |         |         |   |  |        |        |  |       |         |         |   |  |         |         |  |  |         |         |   |  |         |         |   |  |                     |  |  |  |                     |  |  |                  |
| 138 1,510   | 138 1,510                  | Petition to institute a public use proceeding                              |                   |  |                            |                 |          |                            |                            |                    |          |          |          |                                     |       |                    |          |  |  |                    |          |                           |   |                            |                            |   |          |                     |          |  |                   |            |            |   |  |          |          |  |  |         |         |   |  |         |         |   |  |                     |         |   |                  |           |           |  |  |         |         |                  |  |         |         |  |  |         |         |                          |  |           |           |   |  |         |        |                                  |  |           |         |                                    |  |           |         |                                |  |         |         |                  |  |         |         |                 |  |         |         |                               |  |        |        |                                     |  |         |         |   |  |        |        |  |       |         |         |   |  |         |         |  |  |         |         |   |  |         |         |   |  |                     |  |  |  |                     |  |  |                  |
| 140 110   | 240 55                     | Petition to revive – unavoidable   |                   |  |                            |                 |          |                            |                            |                    |          |          |          |                                     |       |                    |          |  |  |                    |          |                           |   |                            |                            |   |          |                     |          |  |                   |            |            |   |  |          |          |  |  |         |         |   |  |         |         |   |  |                     |         |   |                  |           |           |  |  |         |         |                  |  |         |         |  |  |         |         |                          |  |           |           |   |  |         |        |                                  |  |           |         |                                    |  |           |         |                                |  |         |         |                  |  |         |         |                 |  |         |         |                               |  |        |        |                                     |  |         |         |   |  |        |        |  |       |         |         |   |  |         |         |  |  |         |         |   |  |         |         |   |  |                     |  |  |  |                     |  |  |                  |
| 141 1,330   | 241 665                    | Petition to revive – unintentional   |                   |  |                            |                 |          |                            |                            |                    |          |          |          |                                     |       |                    |          |  |  |                    |          |                           |   |                            |                            |   |          |                     |          |  |                   |            |            |   |  |          |          |  |  |         |         |   |  |         |         |   |  |                     |         |   |                  |           |           |  |  |         |         |                  |  |         |         |  |  |         |         |                          |  |           |           |   |  |         |        |                                  |  |           |         |                                    |  |           |         |                                |  |         |         |                  |  |         |         |                 |  |         |         |                               |  |        |        |                                     |  |         |         |   |  |        |        |  |       |         |         |   |  |         |         |  |  |         |         |   |  |         |         |   |  |                     |  |  |  |                     |  |  |                  |
| 142 1,330   | 242 665                    | Utility issue fee (or reissue)   |                   |  |                            |                 |          |                            |                            |                    |          |          |          |                                     |       |                    |          |  |  |                    |          |                           |   |                            |                            |   |          |                     |          |  |                   |            |            |   |  |          |          |  |  |         |         |   |  |         |         |   |  |                     |         |   |                  |           |           |  |  |         |         |                  |  |         |         |  |  |         |         |                          |  |           |           |   |  |         |        |                                  |  |           |         |                                    |  |           |         |                                |  |         |         |                  |  |         |         |                 |  |         |         |                               |  |        |        |                                     |  |         |         |   |  |        |        |  |       |         |         |   |  |         |         |  |  |         |         |   |  |         |         |   |  |                     |  |  |  |                     |  |  |                  |
| 143 480   | 243 240                    | Design issue fee   |                   |  |                            |                 |          |                            |                            |                    |          |          |          |                                     |       |                    |          |  |  |                    |          |                           |   |                            |                            |   |          |                     |          |  |                   |            |            |   |  |          |          |  |  |         |         |   |  |         |         |   |  |                     |         |   |                  |           |           |  |  |         |         |                  |  |         |         |  |  |         |         |                          |  |           |           |   |  |         |        |                                  |  |           |         |                                    |  |           |         |                                |  |         |         |                  |  |         |         |                 |  |         |         |                               |  |        |        |                                     |  |         |         |   |  |        |        |  |       |         |         |   |  |         |         |  |  |         |         |   |  |         |         |   |  |                     |  |  |  |                     |  |  |                  |
| 144 640   | 244 320                    | Plant issue fee  |                   |  |                            |                 |          |                            |                            |                    |          |          |          |                                     |       |                    |          |  |  |                    |          |                           |   |                            |                            |   |          |                     |          |  |                   |            |            |   |  |          |          |  |  |         |         |   |  |         |         |   |  |                     |         |   |                  |           |           |  |  |         |         |                  |  |         |         |  |  |         |         |                          |  |           |           |   |  |         |        |                                  |  |           |         |                                    |  |           |         |                                |  |         |         |                  |  |         |         |                 |  |         |         |                               |  |        |        |                                     |  |         |         |   |  |        |        |  |       |         |         |   |  |         |         |  |  |         |         |   |  |         |         |   |  |                     |  |  |  |                     |  |  |                  |
| 122 130   | 122 130                    | Petitions to the Commissioner  |                   |  |                            |                 |          |                            |                            |                    |          |          |          |                                     |       |                    |          |  |  |                    |          |                           |   |                            |                            |   |          |                     |          |  |                   |            |            |   |  |          |          |  |  |         |         |   |  |         |         |   |  |                     |         |   |                  |           |           |  |  |         |         |                  |  |         |         |  |  |         |         |                          |  |           |           |   |  |         |        |                                  |  |           |         |                                    |  |           |         |                                |  |         |         |                  |  |         |         |                 |  |         |         |                               |  |        |        |                                     |  |         |         |   |  |        |        |  |       |         |         |   |  |         |         |  |  |         |         |   |  |         |         |   |  |                     |  |  |  |                     |  |  |                  |
| 123 50  | 123 50                     | Processing fee under 37 CFR 1.17(q)  |                   |  |                            |                 |          |                            |                            |                    |          |          |          |                                     |       |                    |          |  |  |                    |          |                           |   |                            |                            |   |          |                     |          |  |                   |            |            |   |  |          |          |  |  |         |         |   |  |         |         |   |  |                     |         |   |                  |           |           |  |  |         |         |                  |  |         |         |  |  |         |         |                          |  |           |           |   |  |         |        |                                  |  |           |         |                                    |  |           |         |                                |  |         |         |                  |  |         |         |                 |  |         |         |                               |  |        |        |                                     |  |         |         |   |  |        |        |  |       |         |         |   |  |         |         |  |  |         |         |   |  |         |         |   |  |                     |  |  |  |                     |  |  |                  |
| 126 180   | 126 180                    | Submission of Information Disclosure Stmt                                  |                   |  |                            |                 |          |                            |                            |                    |          |          |          |                                     |       |                    |          |  |  |                    |          |                           |   |                            |                            |   |          |                     |          |  |                   |            |            |   |  |          |          |  |  |         |         |   |  |         |         |   |  |                     |         |   |                  |           |           |  |  |         |         |                  |  |         |         |  |  |         |         |                          |  |           |           |   |  |         |        |                                  |  |           |         |                                    |  |           |         |                                |  |         |         |                  |  |         |         |                 |  |         |         |                               |  |        |        |                                     |  |         |         |   |  |        |        |  |       |         |         |   |  |         |         |  |  |         |         |   |  |         |         |   |  |                     |  |  |  |                     |  |  |                  |
| 581 40  | 581 40                     | Recording each patent assignment per property (times number of properties) | 40.00             |  |                            |                 |          |                            |                            |                    |          |          |          |                                     |       |                    |          |  |  |                    |          |                           |   |                            |                            |   |          |                     |          |  |                   |            |            |   |  |          |          |  |  |         |         |   |  |         |         |   |  |                     |         |   |                  |           |           |  |  |         |         |                  |  |         |         |  |  |         |         |                          |  |           |           |   |  |         |        |                                  |  |           |         |                                    |  |           |         |                                |  |         |         |                  |  |         |         |                 |  |         |         |                               |  |        |        |                                     |  |         |         |   |  |        |        |  |       |         |         |   |  |         |         |  |  |         |         |   |  |         |         |   |  |                     |  |  |  |                     |  |  |                  |
| 146 770   | 246 385                    | Filing a submission after final rejection (37 CFR § 1.129(a))              |                   |  |                            |                 |          |                            |                            |                    |          |          |          |                                     |       |                    |          |  |  |                    |          |                           |   |                            |                            |   |          |                     |          |  |                   |            |            |   |  |          |          |  |  |         |         |   |  |         |         |   |  |                     |         |   |                  |           |           |  |  |         |         |                  |  |         |         |  |  |         |         |                          |  |           |           |   |  |         |        |                                  |  |           |         |                                    |  |           |         |                                |  |         |         |                  |  |         |         |                 |  |         |         |                               |  |        |        |                                     |  |         |         |   |  |        |        |  |       |         |         |   |  |         |         |  |  |         |         |   |  |         |         |   |  |                     |  |  |  |                     |  |  |                  |
| 149 770   | 249 385                    | For each additional invention to be examined (37 CFR § 1.129(b))           |                   |  |                            |                 |          |                            |                            |                    |          |          |          |                                     |       |                    |          |  |  |                    |          |                           |   |                            |                            |   |          |                     |          |  |                   |            |            |   |  |          |          |  |  |         |         |   |  |         |         |   |  |                     |         |   |                  |           |           |  |  |         |         |                  |  |         |         |  |  |         |         |                          |  |           |           |   |  |         |        |                                  |  |           |         |                                    |  |           |         |                                |  |         |         |                  |  |         |         |                 |  |         |         |                               |  |        |        |                                     |  |         |         |   |  |        |        |  |       |         |         |   |  |         |         |  |  |         |         |   |  |         |         |   |  |                     |  |  |  |                     |  |  |                  |
| 179 770   | 279 385                    | Request for Continued Examination (RCE)                                    |                   |  |                            |                 |          |                            |                            |                    |          |          |          |                                     |       |                    |          |  |  |                    |          |                           |   |                            |                            |   |          |                     |          |  |                   |            |            |   |  |          |          |  |  |         |         |   |  |         |         |   |  |                     |         |   |                  |           |           |  |  |         |         |                  |  |         |         |  |  |         |         |                          |  |           |           |   |  |         |        |                                  |  |           |         |                                    |  |           |         |                                |  |         |         |                  |  |         |         |                 |  |         |         |                               |  |        |        |                                     |  |         |         |   |  |        |        |  |       |         |         |   |  |         |         |  |  |         |         |   |  |         |         |   |  |                     |  |  |  |                     |  |  |                  |
| 169 900   | 169 900                    | Request for expedited examination of a design application                  |                   |  |                            |                 |          |                            |                            |                    |          |          |          |                                     |       |                    |          |  |  |                    |          |                           |   |                            |                            |   |          |                     |          |  |                   |            |            |   |  |          |          |  |  |         |         |   |  |         |         |   |  |                     |         |   |                  |           |           |  |  |         |         |                  |  |         |         |  |  |         |         |                          |  |           |           |   |  |         |        |                                  |  |           |         |                                    |  |           |         |                                |  |         |         |                  |  |         |         |                 |  |         |         |                               |  |        |        |                                     |  |         |         |   |  |        |        |  |       |         |         |   |  |         |         |  |  |         |         |   |  |         |         |   |  |                     |  |  |  |                     |  |  |                  |
| Other fee (specify)   |                            |  |                   |  |                            |                 |          |                            |                            |                    |          |          |          |                                     |       |                    |          |  |  |                    |          |                           |   |                            |                            |   |          |                     |          |  |                   |            |            |   |  |          |          |  |  |         |         |   |  |         |         |   |  |                     |         |   |                  |           |           |  |  |         |         |                  |  |         |         |  |  |         |         |                          |  |           |           |   |  |         |        |                                  |  |           |         |                                    |  |           |         |                                |  |         |         |                  |  |         |         |                 |  |         |         |                               |  |        |        |                                     |  |         |         |   |  |        |        |  |       |         |         |   |  |         |         |  |  |         |         |   |  |         |         |   |  |                     |  |  |  |                     |  |  |                  |
| <b>Subtotal (3)</b>   |                            |  | <b>(\$40.00)</b>  |  |                            |                 |          |                            |                            |                    |          |          |          |                                     |       |                    |          |  |  |                    |          |                           |   |                            |                            |   |          |                     |          |  |                   |            |            |   |  |          |          |  |  |         |         |   |  |         |         |   |  |                     |         |   |                  |           |           |  |  |         |         |                  |  |         |         |  |  |         |         |                          |  |           |           |   |  |         |        |                                  |  |           |         |                                    |  |           |         |                                |  |         |         |                  |  |         |         |                 |  |         |         |                               |  |        |        |                                     |  |         |         |   |  |        |        |  |       |         |         |   |  |         |         |  |  |         |         |   |  |         |         |   |  |                     |  |  |  |                     |  |  |                  |
| <b>FEE CALCULATION</b>  |                            |  |                   |  |                            |                 |          |                            |                            |                    |          |          |          |                                     |       |                    |          |  |  |                    |          |                           |   |                            |                            |   |          |                     |          |  |                   |            |            |   |  |          |          |  |  |         |         |   |  |         |         |   |  |                     |         |   |                  |           |           |  |  |         |         |                  |  |         |         |  |  |         |         |                          |  |           |           |   |  |         |        |                                  |  |           |         |                                    |  |           |         |                                |  |         |         |                  |  |         |         |                 |  |         |         |                               |  |        |        |                                     |  |         |         |   |  |        |        |  |       |         |         |   |  |         |         |  |  |         |         |   |  |         |         |   |  |                     |  |  |  |                     |  |  |                  |
| <b>1. BASIC FILING FEE</b><br><table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Large Entity Fee Code (\$)</th> <th>Small Entity Fee Code (\$)</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr><td>1001 770</td><td>2001 385</td><td>Utility Filing Fee</td><td>770.00</td></tr> <tr><td>1006 340</td><td>2006 170</td><td>Design filing fee</td><td></td></tr> <tr><td>1007 530</td><td>2007 265</td><td>Plant filing fee</td><td></td></tr> <tr><td>1008 770</td><td>2008 385</td><td>Reissue filing fee</td><td></td></tr> <tr><td>1005 160</td><td>2005 80</td><td>Provisional filing fee</td><td></td></tr> <tr> <td colspan="3" style="text-align: right;"><b>Subtotal (1)</b></td> <td><b>(\$770.00)</b></td> </tr> </tbody> </table>   |                            |  |                   | Large Entity Fee Code (\$)   | Small Entity Fee Code (\$) | Fee Description | Fee Paid | 1001 770                   | 2001 385                   | Utility Filing Fee | 770.00   | 1006 340 | 2006 170 | Design filing fee                   |       | 1007 530           | 2007 265 | Plant filing fee                                       |  | 1008 770           | 2008 385 | Reissue filing fee        |   | 1005 160                   | 2005 80                    | Provisional filing fee                          |          | <b>Subtotal (1)</b> |          |  | <b>(\$770.00)</b> |            |            |   |  |          |          |  |  |         |         |   |  |         |         |   |  |                     |         |   |                  |           |           |  |  |         |         |                  |  |         |         |  |  |         |         |                          |  |           |           |   |  |         |        |                                  |  |           |         |                                    |  |           |         |                                |  |         |         |                  |  |         |         |                 |  |         |         |                               |  |        |        |                                     |  |         |         |   |  |        |        |  |       |         |         |   |  |         |         |  |  |         |         |   |  |         |         |   |  |                     |  |  |  |                     |  |  |                  |
| Large Entity Fee Code (\$)  | Small Entity Fee Code (\$) | Fee Description  | Fee Paid          |  |                            |                 |          |                            |                            |                    |          |          |          |                                     |       |                    |          |  |  |                    |          |                           |   |                            |                            |   |          |                     |          |  |                   |            |            |   |  |          |          |  |  |         |         |   |  |         |         |   |  |                     |         |   |                  |           |           |  |  |         |         |                  |  |         |         |  |  |         |         |                          |  |           |           |   |  |         |        |                                  |  |           |         |                                    |  |           |         |                                |  |         |         |                  |  |         |         |                 |  |         |         |                               |  |        |        |                                     |  |         |         |   |  |        |        |  |       |         |         |   |  |         |         |  |  |         |         |   |  |         |         |   |  |                     |  |  |  |                     |  |  |                  |
| 1001 770  | 2001 385                   | Utility Filing Fee   | 770.00            |  |                            |                 |          |                            |                            |                    |          |          |          |                                     |       |                    |          |  |  |                    |          |                           |   |                            |                            |   |          |                     |          |  |                   |            |            |   |  |          |          |  |  |         |         |   |  |         |         |   |  |                     |         |   |                  |           |           |  |  |         |         |                  |  |         |         |  |  |         |         |                          |  |           |           |   |  |         |        |                                  |  |           |         |                                    |  |           |         |                                |  |         |         |                  |  |         |         |                 |  |         |         |                               |  |        |        |                                     |  |         |         |   |  |        |        |  |       |         |         |   |  |         |         |  |  |         |         |   |  |         |         |   |  |                     |  |  |  |                     |  |  |                  |
| 1006 340  | 2006 170                   | Design filing fee  |                   |  |                            |                 |          |                            |                            |                    |          |          |          |                                     |       |                    |          |  |  |                    |          |                           |   |                            |                            |   |          |                     |          |  |                   |            |            |   |  |          |          |  |  |         |         |   |  |         |         |   |  |                     |         |   |                  |           |           |  |  |         |         |                  |  |         |         |  |  |         |         |                          |  |           |           |   |  |         |        |                                  |  |           |         |                                    |  |           |         |                                |  |         |         |                  |  |         |         |                 |  |         |         |                               |  |        |        |                                     |  |         |         |   |  |        |        |  |       |         |         |   |  |         |         |  |  |         |         |   |  |         |         |   |  |                     |  |  |  |                     |  |  |                  |
| 1007 530  | 2007 265                   | Plant filing fee   |                   |  |                            |                 |          |                            |                            |                    |          |          |          |                                     |       |                    |          |  |  |                    |          |                           |   |                            |                            |   |          |                     |          |  |                   |            |            |   |  |          |          |  |  |         |         |   |  |         |         |   |  |                     |         |   |                  |           |           |  |  |         |         |                  |  |         |         |  |  |         |         |                          |  |           |           |   |  |         |        |                                  |  |           |         |                                    |  |           |         |                                |  |         |         |                  |  |         |         |                 |  |         |         |                               |  |        |        |                                     |  |         |         |   |  |        |        |  |       |         |         |   |  |         |         |  |  |         |         |   |  |         |         |   |  |                     |  |  |  |                     |  |  |                  |
| 1008 770  | 2008 385                   | Reissue filing fee   |                   |  |                            |                 |          |                            |                            |                    |          |          |          |                                     |       |                    |          |  |  |                    |          |                           |   |                            |                            |   |          |                     |          |  |                   |            |            |   |  |          |          |  |  |         |         |   |  |         |         |   |  |                     |         |   |                  |           |           |  |  |         |         |                  |  |         |         |  |  |         |         |                          |  |           |           |   |  |         |        |                                  |  |           |         |                                    |  |           |         |                                |  |         |         |                  |  |         |         |                 |  |         |         |                               |  |        |        |                                     |  |         |         |   |  |        |        |  |       |         |         |   |  |         |         |  |  |         |         |   |  |         |         |   |  |                     |  |  |  |                     |  |  |                  |
| 1005 160  | 2005 80                    | Provisional filing fee   |                   |  |                            |                 |          |                            |                            |                    |          |          |          |                                     |       |                    |          |  |  |                    |          |                           |   |                            |                            |   |          |                     |          |  |                   |            |            |   |  |          |          |  |  |         |         |   |  |         |         |   |  |                     |         |   |                  |           |           |  |  |         |         |                  |  |         |         |  |  |         |         |                          |  |           |           |   |  |         |        |                                  |  |           |         |                                    |  |           |         |                                |  |         |         |                  |  |         |         |                 |  |         |         |                               |  |        |        |                                     |  |         |         |   |  |        |        |  |       |         |         |   |  |         |         |  |  |         |         |   |  |         |         |   |  |                     |  |  |  |                     |  |  |                  |
| <b>Subtotal (1)</b>   |                            |  | <b>(\$770.00)</b> |  |                            |                 |          |                            |                            |                    |          |          |          |                                     |       |                    |          |  |  |                    |          |                           |   |                            |                            |   |          |                     |          |  |                   |            |            |   |  |          |          |  |  |         |         |   |  |         |         |   |  |                     |         |   |                  |           |           |  |  |         |         |                  |  |         |         |  |  |         |         |                          |  |           |           |   |  |         |        |                                  |  |           |         |                                    |  |           |         |                                |  |         |         |                  |  |         |         |                 |  |         |         |                               |  |        |        |                                     |  |         |         |   |  |        |        |  |       |         |         |   |  |         |         |  |  |         |         |   |  |         |         |   |  |                     |  |  |  |                     |  |  |                  |
| <b>2. EXTRA CLAIM FEES</b><br><table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Total Claims</th> <th>Extra Claims</th> <th>Fee from below</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr> <td>17</td> <td>-20**=</td> <td></td> <td></td> </tr> <tr> <td>4</td> <td>-3**=</td> <td>86.00</td> <td>86.00</td> </tr> <tr> <td>Independent Claims</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Multiple Dependent</td> <td></td> <td></td> <td>0</td> </tr> </tbody> </table> <p><small>**or number previously paid, if greater; For Reissues, see below</small></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Large Entity Fee Code (\$)</th> <th>Small Entity Fee Code (\$)</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr><td>1202 18</td><td>2202 9</td><td>Claims in excess of 20</td><td></td></tr> <tr><td>1201 86</td><td>2201 43</td><td>Independent claims in excess of 3</td><td></td></tr> <tr><td>1203 290</td><td>2203 145</td><td>Multiple dependent claim, if not paid</td><td></td></tr> <tr><td>1204 84</td><td>2204 42</td><td>**Reissue independent claims over original patent</td><td></td></tr> <tr><td>1205 18</td><td>2205 9</td><td>**Reissue claims in excess of 20 and over original patent</td><td></td></tr> <tr> <td colspan="3" style="text-align: right;"><b>Subtotal (2)</b></td> <td><b>(\$86.00)</b></td> </tr> </tbody> </table> |                            |  |                   | Total Claims   | Extra Claims               | Fee from below  | Fee Paid | 17                         | -20**=                     |                    |          | 4        | -3**=    | 86.00                               | 86.00 | Independent Claims |          |  |  | Multiple Dependent |          |                           | 0 | Large Entity Fee Code (\$) | Small Entity Fee Code (\$) | Fee Description                                 | Fee Paid | 1202 18             | 2202 9   | Claims in excess of 20                                 |                   | 1201 86    | 2201 43    | Independent claims in excess of 3                   |  | 1203 290 | 2203 145 | Multiple dependent claim, if not paid  |  | 1204 84 | 2204 42 | **Reissue independent claims over original patent |  | 1205 18 | 2205 9  | **Reissue claims in excess of 20 and over original patent |  | <b>Subtotal (2)</b> |         |   | <b>(\$86.00)</b> |           |           |  |  |         |         |                  |  |         |         |  |  |         |         |                          |  |           |           |   |  |         |        |                                  |  |           |         |                                    |  |           |         |                                |  |         |         |                  |  |         |         |                 |  |         |         |                               |  |        |        |                                     |  |         |         |   |  |        |        |  |       |         |         |   |  |         |         |  |  |         |         |   |  |         |         |   |  |                     |  |  |  |                     |  |  |                  |
| Total Claims  | Extra Claims               | Fee from below   | Fee Paid          |  |                            |                 |          |                            |                            |                    |          |          |          |                                     |       |                    |          |  |  |                    |          |                           |   |                            |                            |   |          |                     |          |  |                   |            |            |   |  |          |          |  |  |         |         |   |  |         |         |   |  |                     |         |   |                  |           |           |  |  |         |         |                  |  |         |         |  |  |         |         |                          |  |           |           |   |  |         |        |                                  |  |           |         |                                    |  |           |         |                                |  |         |         |                  |  |         |         |                 |  |         |         |                               |  |        |        |                                     |  |         |         |   |  |        |        |  |       |         |         |   |  |         |         |  |  |         |         |   |  |         |         |   |  |                     |  |  |  |                     |  |  |                  |
| 17  | -20**=                     |  |                   |  |                            |                 |          |                            |                            |                    |          |          |          |                                     |       |                    |          |  |  |                    |          |                           |   |                            |                            |   |          |                     |          |  |                   |            |            |   |  |          |          |  |  |         |         |   |  |         |         |   |  |                     |         |   |                  |           |           |  |  |         |         |                  |  |         |         |  |  |         |         |                          |  |           |           |   |  |         |        |                                  |  |           |         |                                    |  |           |         |                                |  |         |         |                  |  |         |         |                 |  |         |         |                               |  |        |        |                                     |  |         |         |   |  |        |        |  |       |         |         |   |  |         |         |  |  |         |         |   |  |         |         |   |  |                     |  |  |  |                     |  |  |                  |
| 4   | -3**=                      | 86.00  | 86.00             |  |                            |                 |          |                            |                            |                    |          |          |          |                                     |       |                    |          |  |  |                    |          |                           |   |                            |                            |   |          |                     |          |  |                   |            |            |   |  |          |          |  |  |         |         |   |  |         |         |   |  |                     |         |   |                  |           |           |  |  |         |         |                  |  |         |         |  |  |         |         |                          |  |           |           |   |  |         |        |                                  |  |           |         |                                    |  |           |         |                                |  |         |         |                  |  |         |         |                 |  |         |         |                               |  |        |        |                                     |  |         |         |   |  |        |        |  |       |         |         |   |  |         |         |  |  |         |         |   |  |         |         |   |  |                     |  |  |  |                     |  |  |                  |
| Independent Claims  |                            |  |                   |  |                            |                 |          |                            |                            |                    |          |          |          |                                     |       |                    |          |  |  |                    |          |                           |   |                            |                            |   |          |                     |          |  |                   |            |            |   |  |          |          |  |  |         |         |   |  |         |         |   |  |                     |         |   |                  |           |           |  |  |         |         |                  |  |         |         |  |  |         |         |                          |  |           |           |   |  |         |        |                                  |  |           |         |                                    |  |           |         |                                |  |         |         |                  |  |         |         |                 |  |         |         |                               |  |        |        |                                     |  |         |         |   |  |        |        |  |       |         |         |   |  |         |         |  |  |         |         |   |  |         |         |   |  |                     |  |  |  |                     |  |  |                  |
| Multiple Dependent  |                            |  | 0                 |  |                            |                 |          |                            |                            |                    |          |          |          |                                     |       |                    |          |  |  |                    |          |                           |   |                            |                            |   |          |                     |          |  |                   |            |            |   |  |          |          |  |  |         |         |   |  |         |         |   |  |                     |         |   |                  |           |           |  |  |         |         |                  |  |         |         |  |  |         |         |                          |  |           |           |   |  |         |        |                                  |  |           |         |                                    |  |           |         |                                |  |         |         |                  |  |         |         |                 |  |         |         |                               |  |        |        |                                     |  |         |         |   |  |        |        |  |       |         |         |   |  |         |         |  |  |         |         |   |  |         |         |   |  |                     |  |  |  |                     |  |  |                  |
| Large Entity Fee Code (\$)  | Small Entity Fee Code (\$) | Fee Description  | Fee Paid          |  |                            |                 |          |                            |                            |                    |          |          |          |                                     |       |                    |          |  |  |                    |          |                           |   |                            |                            |   |          |                     |          |  |                   |            |            |   |  |          |          |  |  |         |         |   |  |         |         |   |  |                     |         |   |                  |           |           |  |  |         |         |                  |  |         |         |  |  |         |         |                          |  |           |           |   |  |         |        |                                  |  |           |         |                                    |  |           |         |                                |  |         |         |                  |  |         |         |                 |  |         |         |                               |  |        |        |                                     |  |         |         |   |  |        |        |  |       |         |         |   |  |         |         |  |  |         |         |   |  |         |         |   |  |                     |  |  |  |                     |  |  |                  |
| 1202 18   | 2202 9                     | Claims in excess of 20   |                   |  |                            |                 |          |                            |                            |                    |          |          |          |                                     |       |                    |          |  |  |                    |          |                           |   |                            |                            |   |          |                     |          |  |                   |            |            |   |  |          |          |  |  |         |         |   |  |         |         |   |  |                     |         |   |                  |           |           |  |  |         |         |                  |  |         |         |  |  |         |         |                          |  |           |           |   |  |         |        |                                  |  |           |         |                                    |  |           |         |                                |  |         |         |                  |  |         |         |                 |  |         |         |                               |  |        |        |                                     |  |         |         |   |  |        |        |  |       |         |         |   |  |         |         |  |  |         |         |   |  |         |         |   |  |                     |  |  |  |                     |  |  |                  |
| 1201 86   | 2201 43                    | Independent claims in excess of 3  |                   |  |                            |                 |          |                            |                            |                    |          |          |          |                                     |       |                    |          |  |  |                    |          |                           |   |                            |                            |   |          |                     |          |  |                   |            |            |   |  |          |          |  |  |         |         |   |  |         |         |   |  |                     |         |   |                  |           |           |  |  |         |         |                  |  |         |         |  |  |         |         |                          |  |           |           |   |  |         |        |                                  |  |           |         |                                    |  |           |         |                                |  |         |         |                  |  |         |         |                 |  |         |         |                               |  |        |        |                                     |  |         |         |   |  |        |        |  |       |         |         |   |  |         |         |  |  |         |         |   |  |         |         |   |  |                     |  |  |  |                     |  |  |                  |
| 1203 290  | 2203 145                   | Multiple dependent claim, if not paid                                      |                   |  |                            |                 |          |                            |                            |                    |          |          |          |                                     |       |                    |          |  |  |                    |          |                           |   |                            |                            |   |          |                     |          |  |                   |            |            |   |  |          |          |  |  |         |         |   |  |         |         |   |  |                     |         |   |                  |           |           |  |  |         |         |                  |  |         |         |  |  |         |         |                          |  |           |           |   |  |         |        |                                  |  |           |         |                                    |  |           |         |                                |  |         |         |                  |  |         |         |                 |  |         |         |                               |  |        |        |                                     |  |         |         |   |  |        |        |  |       |         |         |   |  |         |         |  |  |         |         |   |  |         |         |   |  |                     |  |  |  |                     |  |  |                  |
| 1204 84   | 2204 42                    | **Reissue independent claims over original patent                          |                   |  |                            |                 |          |                            |                            |                    |          |          |          |                                     |       |                    |          |  |  |                    |          |                           |   |                            |                            |   |          |                     |          |  |                   |            |            |   |  |          |          |  |  |         |         |   |  |         |         |   |  |                     |         |   |                  |           |           |  |  |         |         |                  |  |         |         |  |  |         |         |                          |  |           |           |   |  |         |        |                                  |  |           |         |                                    |  |           |         |                                |  |         |         |                  |  |         |         |                 |  |         |         |                               |  |        |        |                                     |  |         |         |   |  |        |        |  |       |         |         |   |  |         |         |  |  |         |         |   |  |         |         |   |  |                     |  |  |  |                     |  |  |                  |
| 1205 18   | 2205 9                     | **Reissue claims in excess of 20 and over original patent                  |                   |  |                            |                 |          |                            |                            |                    |          |          |          |                                     |       |                    |          |  |  |                    |          |                           |   |                            |                            |   |          |                     |          |  |                   |            |            |   |  |          |          |  |  |         |         |   |  |         |         |   |  |                     |         |   |                  |           |           |  |  |         |         |                  |  |         |         |  |  |         |         |                          |  |           |           |   |  |         |        |                                  |  |           |         |                                    |  |           |         |                                |  |         |         |                  |  |         |         |                 |  |         |         |                               |  |        |        |                                     |  |         |         |   |  |        |        |  |       |         |         |   |  |         |         |  |  |         |         |   |  |         |         |   |  |                     |  |  |  |                     |  |  |                  |
| <b>Subtotal (2)</b>   |                            |  | <b>(\$86.00)</b>  |  |                            |                 |          |                            |                            |                    |          |          |          |                                     |       |                    |          |  |  |                    |          |                           |   |                            |                            |   |          |                     |          |  |                   |            |            |   |  |          |          |  |  |         |         |   |  |         |         |   |  |                     |         |   |                  |           |           |  |  |         |         |                  |  |         |         |  |  |         |         |                          |  |           |           |   |  |         |        |                                  |  |           |         |                                    |  |           |         |                                |  |         |         |                  |  |         |         |                 |  |         |         |                               |  |        |        |                                     |  |         |         |   |  |        |        |  |       |         |         |   |  |         |         |  |  |         |         |   |  |         |         |   |  |                     |  |  |  |                     |  |  |                  |

|   |  |   |  |
|---|--|---|--|
| <b>SUBMITTED BY Complete (if applicable)</b>      |  |   |  |
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|   |  | <b>Date</b><br><b>4/14/04</b>                             |  |

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Alessandro Venca; et al.

Serial No. \_\_\_\_\_

Filed: Herewith

For: WRITE DRIVER WITH POWER  
OPTIMIZATION AND INTERCONNECT  
IMPEDANCE MATCHING

Group Art Unit:

Examiner:

CERTIFICATE OF MAILING BY EXPRESS MAIL

MAIL STOP PATENT APPLICATION

Commissioner for Patents  
PO Box 1450  
Alexandria, VA 22313-1450

Sir:

The undersigned hereby certifies that the following documents:

- Utility Patent Application Transmittal;
- Utility Patent Application [Specification (19 pages); Claims (4 pages); Abstract (1 page); Drawings (8 sheets)];
- Declaration (executed);
- Assignment with Recordation Cover Sheet;
- Fee Transmittal with check in the amount of \$896.00;
- Certificate of Mailing by Express Mail; and
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4/14/04  
Date

4/14/04  
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